PCT/US00/32678 Filed 12/1/00; PCT/US00/34956 Filed 12/20/00; PCT/US01/06520 Filed 2/28/01; PCT/US01/17800 Filed 6/1/01; PCT/US01/19692 Filed 6/20/01; PCT/US01/21066 Filed 6/29/01; PCT/US01/21735 Filed 7/9/01; and which claims priority under 35 USC § 119 to US provisional application numbers: 60/085579 Filed 5/15/98; 60/112514 Filed 12/15/98; 60/113300 Filed 12/22/98; 60/113430 Filed 12/23/98; 60/113605 Filed 12/23/98; 60/113621 Filed 12/23/98; 60/114140 Filed 12/23/98; 60/115552 Filed 1/12/99; 60/116843 Filed 1/22/99; 60/125774 Filed 3/23/99; 60/125778 Filed 3/23/99; 60/125826 Filed 3/24/99; 60/127035 Filed 3/31/99; 60/127706 Filed 4/5/99; 60/129122 Filed 4/13/99; 60/130359 Filed 4/21/99; 60/131270 Filed 4/27/99; 60/131272 Filed 4/27/99; 60/131291 Filed 4/27/99; 60/132371 Filed 5/4/99; 60/132379 Filed 5/4/99; 60/132383 Filed 5/4/99; 60/135750 Filed 5/25/99; 60/138166 Filed 6/8/99; 60/144791 Filed 7/20/99; 60/146970 Filed 8/3/99; 60/162506 Filed 10/29/99; the entire disclosures of which are hereby incorporated by reference.--

A1 cont.

In the Claims:

Please cancel Claims 1-21 without prejudice or disclaimer.

Please add new Claims 22-34 as follows.

A2

--22. (New) An isolated polypeptide having at least 80% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2);

(b) the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);

(d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide; or

(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203581.

23. (New) The isolated polypeptide of Claim 22 having at least 85% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2);

(b) the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);

(d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide; or

(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203581.

24. (New) The isolated polypeptide of Claim 22 having at least 90% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2);

(b) the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);

(d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide; or

(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203581.

25. (New) The isolated polypeptide of Claim 22 having at least 95% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2);

(b) the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);

(d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide; or

(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203581.

26. (New) The isolated polypeptide of Claim 22 having at least 99% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2);

(b) the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);

(d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide; or

(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203581.

27. (New) An isolated polypeptide comprising:

(a) the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2);

(b) the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);

(d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide; or

(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203581.

cont'

28. (New) The isolated polypeptide of Claim 27 comprising the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2).

29. (New) The isolated polypeptide of Claim 27 comprising the amino acid sequence of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide.

30. (New) The isolated polypeptide of Claim 27 comprising the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2).

31. (New) The isolated polypeptide of Claim 27 comprising the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide.

32. (New) The isolated polypeptide of Claim 27 comprising the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203581.

33. (New) A chimeric polypeptide comprising a polypeptide according to Claim 22 fused to a heterologous polypeptide.

34. (New) The chimeric polypeptide of Claim 33, wherein said heterologous polypeptide is an epitope tag or an Fc region of an immunoglobulin.--